

# Weekly Report

## 12/28/2015 - 01/03/2015

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## 1 Summary

This week I mainly focus on the DataScanner project and new project idea initialization.

## 2 Projects

### 2.1 The DataScanner Project

The MovieLens data processing has been running for more than one week. Due to some problem, the total number of files would exceed 16M after completion. Thus I figured it might be IO problem that took so much time. I merged the files and made it 4000 files instead. The program is still running. Other than the MovieLens case, I've completed the first version of the paper.

### 2.2 The GeoScanner Project

I've update the server to communicate with the interface by Ajax calls. I further discussed with XumengWang about the quad-tree encoding. The basic principle is to enable easy compression and direct comparison with compressed encoding. It is now finalized and Xumeng is implementing the data structure initialization.

## 3 Paper Reading and Miscellaneous

Reviewed Zhen Liu's survey paper on dynamic network.

## 4 To Do List

1. GeoScanner data initialization.